



**NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE**

# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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**AGRICULTURAL NEWS:** Hot and dry weather prevailed during the week with scattered showers providing some relief at the end of the week. Most areas remained in need of rain for plant germination and growth. Precipitation for the week averaged 0.36 inches Statewide, which was .63 inches below normal. Temperatures averaged 75 degrees, 3 degrees above normal. **Topsoil moisture** was rated as 40 percent very short, 43 percent short, and 17 percent adequate. **Subsoil moisture** was rated 23 percent very short, 50 percent short, 25 percent adequate, and 2 percent surplus. There were 6.4 days suitable for fieldwork. Major activities for the week included setting tobacco and planting soybeans. Small grain harvest was underway and farmers were cutting hay. The first crop of hay is small causing some concern about hay supplies for the coming year.

**TOBACCO:** Tobacco setting made good progress during the week with 80 percent of the burley tobacco set as of Sunday, June 3, compared with 65 percent for last year and the five-year average of 59 percent. Seventy-two percent of the dark tobacco had been set, ahead of last year's 50 percent and the five-year average of 58 percent. About 91 percent of tobacco plants were under 12 inches high, with 9 percent 12-24 inches in height. The tobacco crop condition was reported as 5 percent very poor, 12 percent poor, 32 percent fair, 43 percent good, and 8 percent excellent. No major disease or pest problems were noted. Most tobacco has weathered the dry conditions fairly well at this point.

**CORN:** Very little corn remained to be planted. Crop emergence was reported at 97 percent, above last year's 94 percent and the five-year average of 87

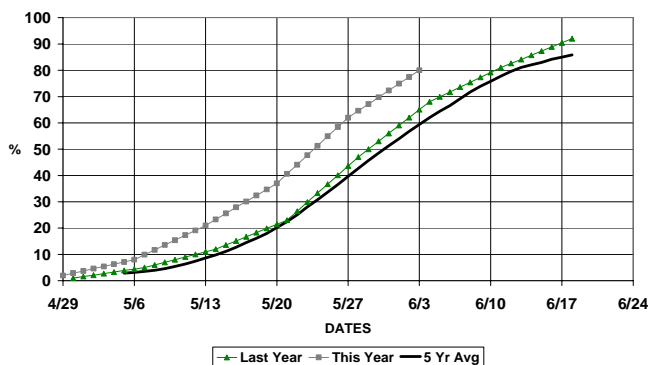
percent. The average emerged corn height was 20 inches, with the most advanced height at 33 inches. Corn condition was rated 2 percent very poor, 8 percent poor, 31 percent fair, 43 percent good, and 16 percent excellent. Much of the corn crop has stopped growing, as it waits for moisture. A few areas saw some twisting and other signs of moisture related stress.

**SOYBEANS:** As of Sunday, June 3, 79 percent of the soybeans had been planted, well ahead of the 66 percent reported last year and the average of 51 percent. Sixty-three percent of the soybeans planted had emerged compared with last year's 43 percent and the five-year average of 38 percent. Soybean condition was rated 2 percent very poor, 6 percent poor, 28 percent fair, 48 percent good, and 16 percent excellent. Some producers are waiting for rain to complete planting.

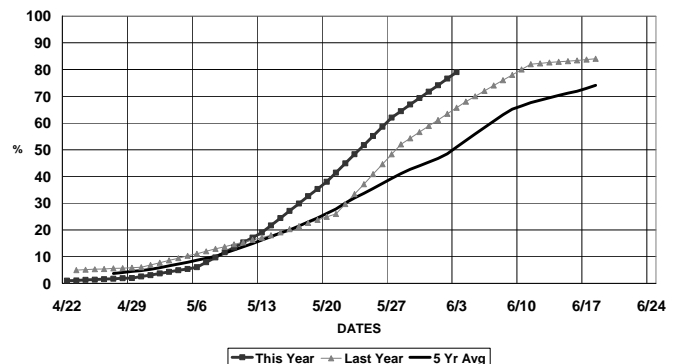
**SMALL GRAINS:** The barley harvest was well underway with 40 percent harvested compared with 17 percent last year and the average of 21 percent. Winter wheat condition was rated 47 percent very poor, 21 percent poor, 28 percent fair, and 4 percent good. Wheat combining was just beginning, with 8 percent of the harvest completed. Last year wheat harvest was 5 percent complete and the five-year average was 2 percent. Yields and test weights are expected to be below normal for much of the crop

**OTHER CROPS AND PASTURE:** Nearly three quarters of sorghum acreage had been planted as of Sunday, June 3 well ahead of the 55 percent reported last year at this time, and the five-year average of 54 percent. Pasture condition was rated 11 percent very poor, 25 percent poor, 40 percent fair, 23 percent good, and 1 percent excellent.

**BURLEY TOBACCO SET PROGRESS**



**SOYBEAN PLANTED PROGRESS**



## KENTUCKY CROP PROGRESS

WEEK ENDING JUNE 3, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn					
Planted	99	99	93	99	97
Emerged	97	94	87	94	85
Soybeans					
Planted	79	66	51	62	80
Emerged	63	43	38	38	48
Sorghum Planted	75	55	54	65	46
Barley Harvested	40	17	21	1	NA
Wheat Harvested	8	5	2	NA	NA
Burley Tobacco Set	80	65	59	62	NA
Dark Tobacco Set	72	50	58	60	NA

(NA)Data Not Available.

## SOIL MOISTURE

WEEK ENDING JUNE 3, 2007

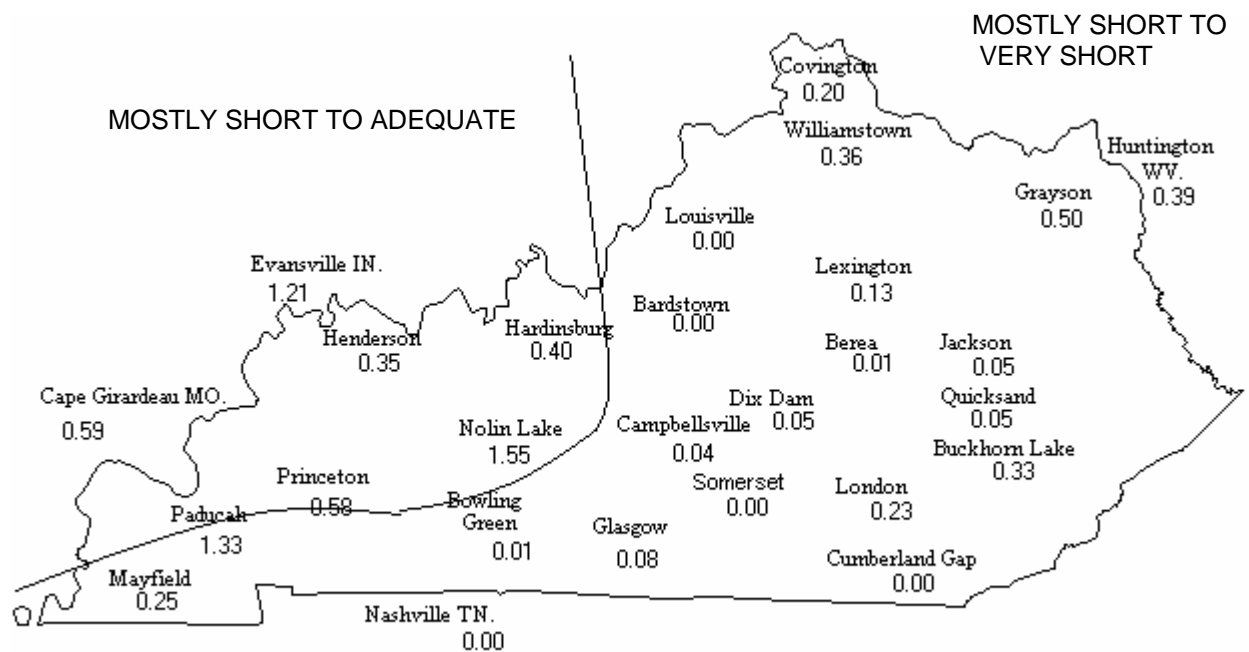
	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	40	22
Short	43	48
Adequate	17	28
Surplus	0	2
<b>SUBSOIL</b>		
Very Short	23	14
Short	50	44
Adequate	25	38
Surplus	2	4

## KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JUNE 3, 2007						WEEK ENDING MAY 27, 2007				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn	2	8	31	43	16	1	3	23	54	19
Soybeans	2	6	28	48	16	1	4	22	57	16
Wheat	47	21	28	4	0	40	28	21	11	0
Pasture	11	25	40	23	1	5	20	41	30	4
Tobacco Set	5	12	32	43	8	5	6	29	51	9

## PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION

WEEK ENDING JUNE 3, 2007



## **KENTUCKY WEATHER SUMMARY, MAY 28 – JUNE 3, 2007:**

### **Above Normal Temperatures and Below Normal Rainfall:**

Scattered to numerous showers and thunderstorms occurred over much of the State over the weekend with locally heavy rainfall. Otherwise, it was a dry and very warm workweek. This was the 4th week in a row with below normal rainfall for the Bluegrass State. Mild to moderate drought conditions continued to plague much of the State, according to most drought indices. Extreme high temperatures were near 90 degrees and extreme low temperatures were in the mid 50s.

Temperatures for the period averaged 75 degrees across the State which was 5 degrees above normal and 3 degrees warmer than the previous week. High temperatures averaged from 86 in the West to 86 in the East. Departure from normal high temperatures ranged from 2 degrees above normal in the West to 6 degrees above normal in the East. Low temperatures averaged from 64 degrees in the West to 63 degrees in the East. Departure from normal low temperature ranged from 4 degrees above normal in the West to 4 degrees above normal in the East.

Rainfall for the period totaled 0.36 inches statewide which was 0.63 inches below normal. Rainfall totals by climate division, West 0.72 inches, Central 0.34 inches, Bluegrass 0.19 inches and East 0.19 inches, which was 0.28, 0.69, 0.78 and 0.78 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Bardstown to a high of 1.55 inches at Nolin Lake.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, JUNE 3, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.00	6.23	0.34	-2.49	-3.63	89	60	75.4	+5	173	952	+121
Berea	0.01	6.40	1.08	-3.07	-3.19	89	60	75.8	+6	174	931	+69
Bowling Green	0.01	7.23	2.56	-2.45	-1.84	91	61	75.9	+5	173	1001	+136
Bristol	0.00	3.40	0.23	-4.15	-3.27	89	54	72.2	+3	149	849	+82
Buckhorn Lake	0.33	4.86	0.56	-3.42	-3.17	89	62	75.4	+6	172	928	+167
Cape Girardeau	0.59	6.39	2.06	-3.58	-2.47	88	61	75.1	+3	171	1001	+102
Campbellsville	0.04	9.16	1.36	-1.19	-3.24	89	59	74.7	+4	166	952	+93
Covington	0.20	4.09	0.78	-4.32	-3.06	89	62	75.8	+6	173	863	+129
Cumberland Gap	0.00	5.92	0.25	-3.40	-4.06	89	62	75.4	+6	172	927	+163
Dix Dam	0.05	6.50	0.43	-2.83	-3.76	89	61	75.5	+6	172	906	+75
Evansville	1.21	7.26	2.73	-1.86	-1.45	89	62	75.1	+3	169	959	+124
Glasgow	0.08	7.52	1.21	-2.55	-3.33	91	61	76.3	+6	171	1015	+213
Grayson	0.50	5.69	1.38	-2.58	-2.44	90	62	74.8	+5	168	892	+192
Hardinsburg	0.40	6.44	1.24	-3.12	-3.07	89	65	76.6	+6	181	1010	+145
Henderson	0.35	7.91	1.09	-1.28	-2.96	88	63	75.5	+3	175	969	+104
Huntington	0.39	4.55	1.09	-3.68	-2.72	90	61	74.5	+5	166	891	+127
Jackson	0.05	3.63	0.99	-5.33	-3.00	88	62	74.4	+5	166	920	+159
Lexington	0.13	5.46	0.44	-3.26	-3.53	90	63	76.0	+7	174	882	+145
London	0.23	5.67	0.59	-2.87	-3.21	89	59	74.4	+5	163	909	+145
Louisville	0.00	7.16	0.80	-2.04	-3.27	90	62	75.4	+5	172	925	+90
Mayfield	0.25	4.65	0.60	-5.75	-3.78	89	62	75.4	+3	172	935	+9
Nashville	0.00	6.05	1.02	-3.56	-3.27	89	63	77.0	+7	179	1048	+119
Nolin Lake	1.55	8.64	3.32	-1.76	-1.49	90	63	76.4	+6	176	1009	+184
Paducah	1.33	6.49	1.99	-3.86	-2.40	89	61	74.8	+2	166	1018	+119
Princeton	0.58	6.82	2.05	-3.32	-2.34	89	60	75.6	+3	172	1082	+187
Quicksand	0.05	3.58	0.99	-5.38	-3.00	89	62	75.4	+6	172	932	+171
Somerset	0.00	5.91	0.76	-3.93	-3.75	87	56	72.6	+3	155	854	+26
Spindletop	0.36	5.35	0.77	-3.37	-3.20	90	63	75.9	+6	173	868	+131
Williamstown	0.36	6.90	0.54	-2.04	-3.39	89	63	75.9	+6	174	869	+132

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.agwx.ca.uky.edu/>

## Crop Progress and Condition Week Ending May 27, 2007

### Corn Percent Emerged

State	May 27 2007	Prev Week	Prev Year	5-Yr Avg.
CO	56	36	66	60
IL	96	88	91	83
IN	87	66	69	65
IA	86	65	89	85
KS	83	63	85	84
<b>KY</b>	94	86	90	82
MI	69	40	64	48
MN	95	82	77	71
MO	79	66	97	88
NE	82	59	89	80
NC	100	96	100	96
ND	72	50	66	61
OH	91	70	86	69
PA	65	34	67	56
SD	67	38	64	56
TN	100	98	95	95
TX	90	79	92	92
WI	80	55	60	47
ALL	85	67	82	75
These 18 States planted 93% of last year's corn acreage.				

### Soybeans Percent Planted

State	May 27 2007	Prev Week	Prev Year	5-Yr Avg.
AR	79	52	75	63
IL	91	75	73	66
IN	89	72	55	58
IA	87	61	91	84
KS	45	25	60	56
<b>KY</b>	62	38	48	39
LA	86	80	86	69
MI	67	36	67	56
MN	94	85	82	76
MS	98	94	98	92
MO	55	34	71	57
NE	78	48	90	76
NC	39	25	39	42
ND	79	54	77	70
OH	95	81	82	62
SD	57	26	72	64
TN	73	48	61	46
WI	84	61	68	60
ALL	80	59	75	67
These 18 States planted 96% of last year's soybean acreage.				

### Winter Wheat Percent Headed

State	May 27 2007	Prev Week	Prev Year	5-Yr Avg.
AR	100	100	100	100
CA	100	100	100	100
CO	65	40	76	71
ID	13	6	11	6
IL	96	90	95	94
IN	85	59	91	87
KS	97	88	98	97
MI	27	2	31	18
MO	98	91	99	96
MT	0	0	0	0
NE	74	29	61	55
NC	100	97	100	98
OH	85	35	81	68
OK	100	99	100	100
OR	55	21	38	47
SD	34	4	16	14
TX	99	96	98	97
WA	40	19	36	37
ALL	80	68	79	77
These 18 States planted 92% of last year's winter wheat acreage.				

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.